CLAIMS

1. A display LED drive circuit comprising:

a route for serially connecting a constant current circuit, a first display LED circuit in which a corresponding switching element is serially connected to a first display LED, and a second display LED circuit in which a corresponding switching element is serially connected to a second display LED;

a first resistor circuit, in which a corresponding switching element is serially connected to a first resistor that generates the same potential difference as the potential difference generated by the first display LED, connected to the first display LED circuit in parallel; and

a second resistor circuit, in which a corresponding switching element is serially connected to a second resistor that generates the same potential difference as the potential difference generated by the second display LED, connected in parallel with the second display LED circuit, and

is characterized in that the corresponding switching element for the display LED circuit and the corresponding switching element of the resistor circuit connected to the display LED circuit in parallel are controlled to be opened and closed in opposite ways.

2. The display LED drive circuit according to Claim 1,

characterized in that the second resistor circuit comprises a cut-off switching element serially connected to the second resistor and the corresponding switching element, and opens and closes the cut-off switching element synchronously with the corresponding switching element of the first display LED circuit disposed on an upstream side.

3. A display LED drive circuit comprising:

a route for serially connecting a constant current circuit, a display LED circuit in which a corresponding switching element is serially connected to a display LED, and a constant voltage diode; and

a resistor circuit, in which a corresponding switching element is serially connected to a resistor that generates the same potential difference as the potential difference generated by the display LED, connected to the display LED in parallel,

characterized in that the corresponding switching element of the display LED circuit and the corresponding switching element of the resistor circuit are controlled to be opened and closed in opposite ways, and

in that an output terminal for deriving voltage is provided between the display LED circuit and the constant voltage diode.

4. A display LED drive circuit comprising: a first current route and a second current route which are connected

to a power circuit in parallel,

the first route comprising: a first constant current circuit; a first display LED circuit in which a corresponding switching element is serially connected to a first display LED; and a second display LED circuit in which a corresponding switching element is serially connected to a second display LED, connected in series;

a first resistor circuit, in which a corresponding switching element is serially connected to a first resistor that generates the same potential difference as the potential difference generated by the first display LED, connected to the first display LED circuit in parallel, and

a second resistor circuit, in which a cut-off switching element and a corresponding switching element are serially connected to a second resistor that generates the same potential difference as the potential difference generated by the second display LED, connected to the second display LED circuit in parallel;

the second route comprising:

a second constant current circuit;

a third display LED circuit in which a corresponding switching element is serially connected to a third display LED; and

a constant voltage diode;

a third resistor circuit, in which a corresponding

switching element is serially connected to a third resistor that generates the same potential difference as the potential difference generated by the third display LED, connected to the third display LED in parallel;

and is characterized in that

the corresponding switching elements of the respective display LED circuits and the corresponding switching elements of the respective resistor circuits connected in parallel correspondingly with the respective display LED circuits are controlled to be opened and closed in opposite ways,

in that the cut-off switching element is controlled to be opened and closed synchronously with the corresponding switching element of the first display LED circuit disposed on an upstream side, and

in that an output terminal for deriving a voltage is provided between the third display LED circuit and the constant voltage diode.

5. The display LED drive circuit according to Claim 4, characterized in that one of the first and the third display LEDs is a green display LED, and the other one is a blue display LED.